AVIGILON™

2 MP 5 MP

# Unity Outdoor H6 Mini Dome

Small yet mighty, and now tough enough for the outdoors, the outdoor H6 Mini Dome camera from Avigilon Unity improves your building's physical security with the perfect fusion of form and function. Get complete visibility day or night with high-resolution images of up to 5 MP, a wide field of view and built-in IR illumination in a low-profile design.

## AI-powered Video Analytics

Stay on top of what's happening at your site with built-in video analytics to alert you on unusual activity and potentially critical events.

## Appearance Search support[1]

Locate people or vehicles of interest in seconds by entering physical descriptions, uploading a photo, or by finding an example within recorded video.

## Facial Recognition support

Identify people of interest on your secure watch list(s). Assistive facial recognition can help equip you with the context for potentially critical events, so you can act faster.

## Durable design

Secure outdoor areas with a weather and vandal-proof design that is rated IK10 and IP66/67, making them tough for the elements, but easy on the wallets.

## 24/7 Visibility

Get incredible image detail and situational awareness with 2 to 5 MP resolutions and a wide field of view, plus visibility in low-light areas with built-in IR illumination.

## Secure and Compliant

Trust that your data is well-protected with advanced cybersecurity features such as an onboard FIPS 140-3 Level 3 compliant TPM.

[1]Appearance Search supported by a future firmware upgrade.

# Specifications

| Image Performance | | | 2.0 MP | 5.0 MP |
|---|---|---|---|---|
| Image Sensor | | | 1/2.8” progressive scan CMOS | |
| Imaging Area (H × V) | | | 4.8 mm × 2.7 mm; 0.189” × 0.106” | 5.18 mm × 3.89 mm; 0.204” × 0.153” |
| Max Image Rate | | Full feature mode | (50/60 Hz): 25/30 fps | (50/60 Hz): 25/24 fps |
| | | High frame rate mode | | (50/60 Hz) - 25/30 fps |
| Max Resolution | Primary | 4:3 | N/A | 2592 x 1944<br>2048 x 1536 |
| | | 16:9 | 1920 x 1080 | 2560 x 1440<br>1920 x 1080 |
| | Secondary | 4:3 | N/A | 720 x 536<br>640 x 480<br>512 x 384<br>384 x 288 |
| | | 16:9 | 720 x 480<br>640 x 360<br>512 x 288<br>384 x 216 | 720 x 480<br>640 x 360<br>512 x 288<br>384 x 216 |
| Dynamic Range | WDR Off | | 83 dB | |
| | WDR On | | Up to 120dB | |
| Camera Operating Mode | | | Full Feature / No Video Analytics | Full Feature / No Video Analytics / High Framerate (Video Analytics disabled) |
| Bandwidth Management | | | HDSM SmartCodec technology; Idle scene mode | |
| 3D Noise Reduction Filter | | | Yes | |

| Lens and IR Illumination | | 2.0 MP | 5.0 MP |
|---|---|---|---|
| Lens | | 2.99 mm | |
| IR illumination<br>(high power 850 nm LEDs) | | Up to 20 m | |
| Minimum Illumination | With IR | 0 lux in color or monochrome mode | |
| | Without IR | 0.005 lux in monochrome mode; 0.01 lux in color mode | 0.01 lux in monochrome mode; 0.02 lux in color mode |
| Angle of View (HFOV x VFOV) | | (16:9) 108° x 61° | (4:3) 101° x 75°, (16:9) 100° x 54° |
| Max Aperture | | F2.0 | |

| Image Control | |
|---|---|
| Image Compression Method | H.264 HDSM SmartCodec, H.265 HDSM SmartCodec, Motion JPEG |
| Streaming | Multi-stream H.264, Multi-stream H.265, Motion JPEG |
| Motion Detection | Pixel motion: Selectable sensitivity and threshold. Classified object detection |
| Tamper Detection | Yes |
| Electronic Shutter Control | Automatic, Manual (1/7.5 to 1/30000 sec) |
| Iris Control | Fixed |
| Day/Night Control | Automatic, Manual |
| Flicker Control | 50 Hz, 60 Hz |
| White Balance | Automatic, Manual |
| Backlight Compensation | Adjustable |
| Privacy Zones | Up to 64 zones |

| Network | |
|---|---|
| Network | 100BASE-TX |
| Cabling Type | CAT5 |
| Connector | RJ-45 |
| ONVIF | ONVIF® compliance Profile S, Profile T, ProfileM and Profile G (www.onvif.org) |
| Security | Password protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication, FIPS 140-3 L3 (with onboard TPM) |
| Protocols | IPv6, IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, Zeroconf, ARP, HSTS |
| Streaming Protocols | RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP |
| Device Management Protocols | SNMP v2c, SNMP v3 |

| Mechanical | | Surface Mount | Pendant Mount |
|---|---|---|---|
| Dimensions (LxWxH) | Camera assembly | 106mm x 106mm x 81mm | 121mm x 121mm x 146mm |
| | Accesory Only | NA | 121mm x 121mm x 89mm |
| Weight (camera only) | | 420gram Camera (685gram in box) | 229gram (335gr in box; 614gr Camera) |
| Max. Ceiling Thickness | | N/A | N/A |
| Dome Bubble | | Polycarbonate | |
| Body | | Polycarbonate and aluminum | |

| Mechanical | Surface Mount | Pendant Mount |
|---|---|---|
| Housing | Surface mount | Pendant mount |
| Finish | Plastic Injector Mold Black; Powdercoat Grey | |

| Electrical | |
|---|---|
| Power Consumption | 10 W |
| Power Source | PoE: IEEE 802.3af Class 3 compliant |
| IR Illuminator Behavior | IR illuminator will turn off if the temperature is 58 °C (136 °F) or higher. The illuminator will operate at 70% power if the temperature is between 35°C (95 °F) and 58°C (136 °F). |
| Power Connector | N/A |
| RTC Backup Battery | 3V manganese lithium |

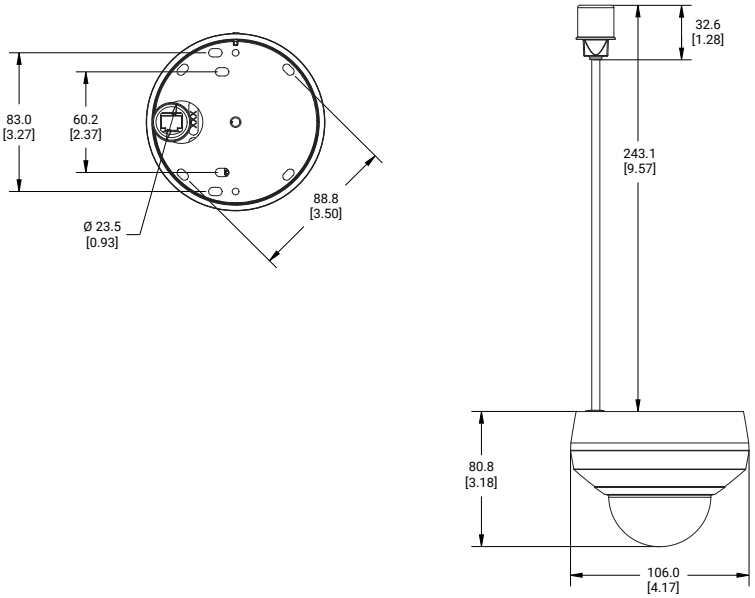
| Environmental | |
|---|---|
| Operating Temperature | -20°C to +60 °C (-4 °F to 140 °F) |
| Boot Temperature | -20°C to +60 °C (-4 °F to 140 °F) |
| Storage Temperature | -10 °C to +60 °C (14 °F to 140 °F) |
| Humidity | 0 - 95% non-condensing |
| Environment | Outdoor Applications |

| Certifications | |
|---|---|
| Certifications/Directives | UL, cUL, CE, ROHS, RCM, UKCA, NOM, KC, BIS |
| Safety | UL 62368-1, CSA 62368-1, IEC/EN 62368-1, IEC 62471 |
| Environmental | IEC 60529 IP66, IP67, IEC/EN 62262 IK10 |
| Electromagnetic Emissions | FCC Part 15 Subpart B Class B, IC ICES-003 Class B, EN 55032 Class B, EN 61000-6-3, EN 61000-3-2, EN 61000-3-3 |
| Electromagnetic Immunity | EN 55035, EN 61000-6-1 |

# Outline Dimensions

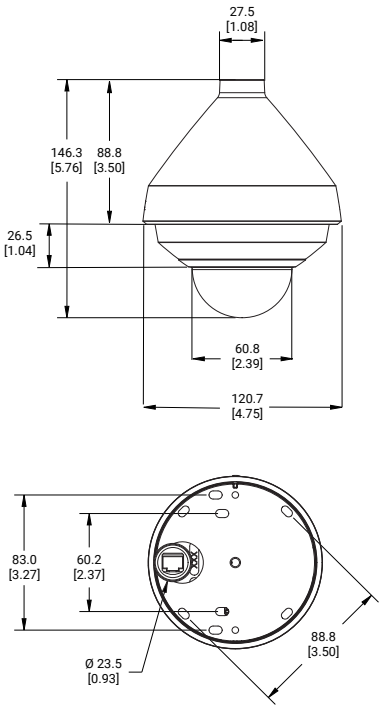
## Surface Mount

| [X.X] | INCHES |
|---|---|
| X | MM |




## Pendant Mount

| [X.X] | INCHES |
|---|---|
| X | MM |



# Ordering Information

| Part Number | MP | Analytics | IP66/IP67/IK10 | HDSM Smartcodec |
|---|---|---|---|---|
| 2.0C-H6M-DO1-IR | 2.0 | ✓ | ✓ | ✓ |
| 5.0C-H6M-DO1-IR | 5.0 | ✓ | ✓ | ✓ |

| Part Number | Description |
|---|---|
| H6M-MT-NPTA1 | MOUNT, Pendant Adapter, Grey, Odr, H6M |
| MSI-NPTCON-1001 | ADAPTOR, 1-1/2" x 1/2" NPT Male |
| MSI-LD-1E | COVER, Repl, Clear, Grey, Odr, Mini |
| MSI-LD-0E | COVER, Repl, 50% Smoke, Grey, Odr, Mini |
| MSI-MT-ECLR | MOUNT, Side Conduit, Odr, Mini |

# Support

For product support, visit: avigilon.com or sales@avigilon.com

To learn more, visit: avigilon.com/h6m

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